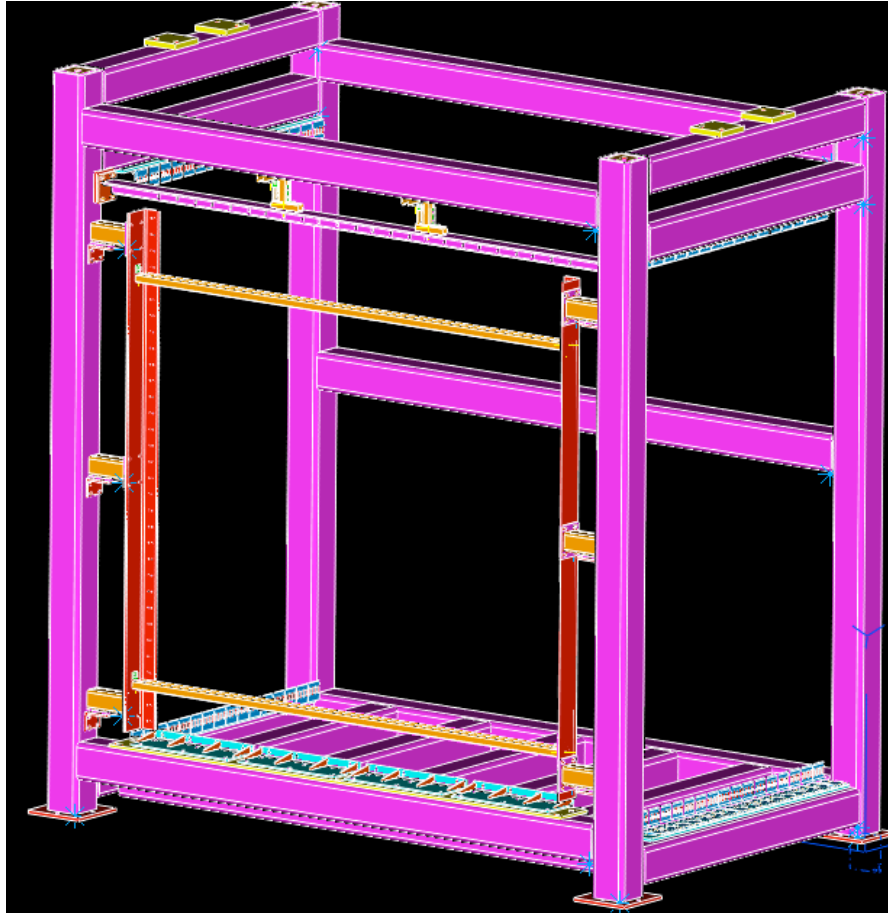


# Engineering Updates

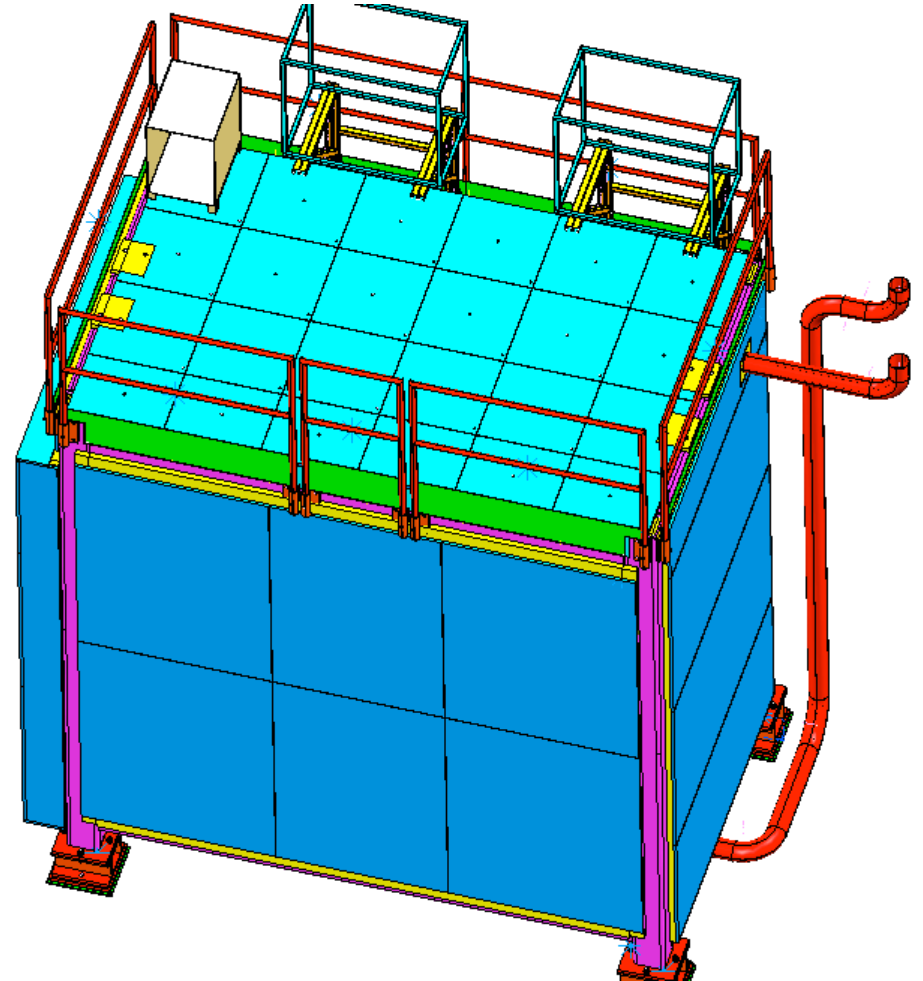
Hide Tanaka  
(Kyoto)

Sep. 14, 2006

# SciBar/EC structure overview

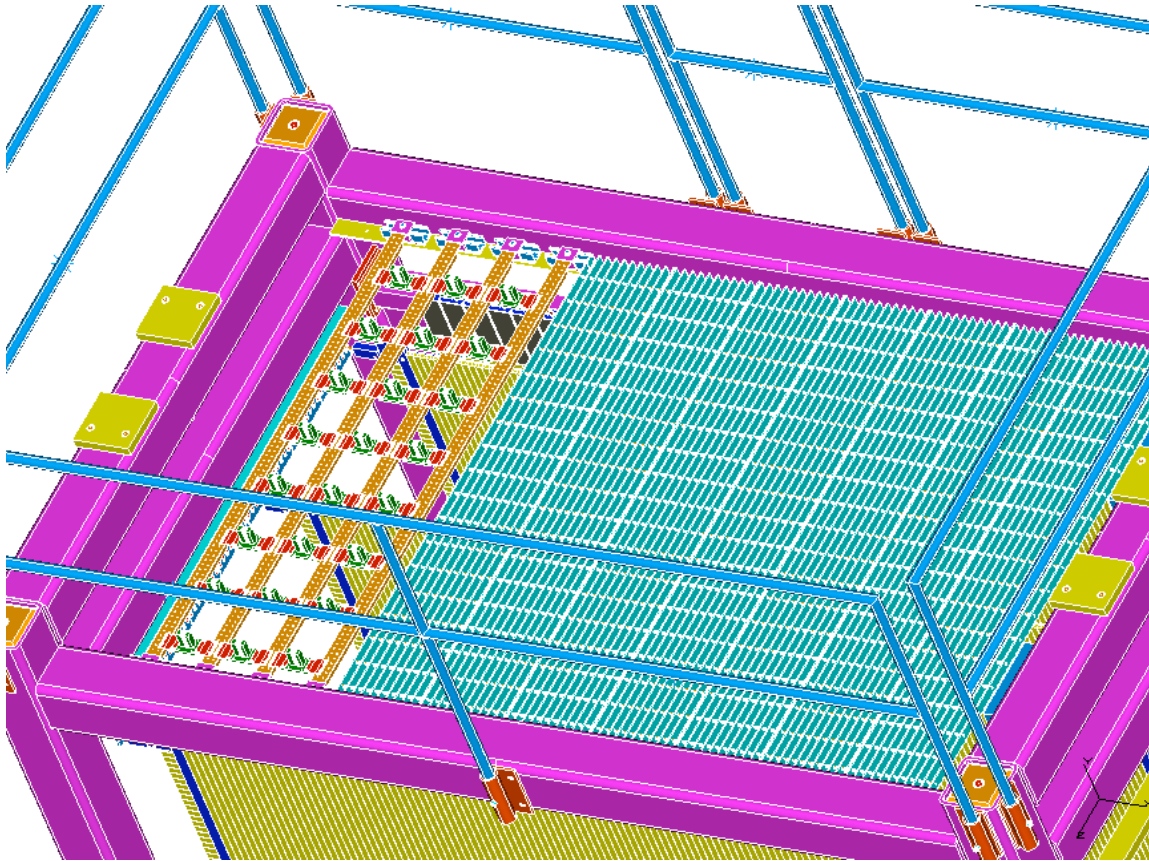


1. Main frame
2. EC-Horizontal support
3. EC-Vertical support



4. Top dark room support
5. Safety railing system

# SciBar/EC structure overview



6. PMT mounting bracket and floor system for installation.

6 sets of engineering drawing are needed.

# Current status (I)

## 1. Main frame:

- in the process of production
- Will be delivered to CDF on 25th of Sep.

## 2. SciBar safety hand railing

(on top dark room):

- Drafting: Completed
- Will be delivered to CDF on 1st of Oct.

# Current status (II)

## **3. Top dark room support:**

- Drafting: Close to completing
- Will be submitted for bid in this week

## **4. Support for EC-Horizontal:**

- Drafting: Close to completing
- Will be submitted for bid in this week

Half of engineering processes (drafting) will be completed by end of this week, on schedule.

# Current status (III)

## **5. Support for EC-Vertical:**

- Drafting: in the process
- But still a lot of work remain

## **6. PMT mounting bracket:**

- Drafting: Just started.

Still a lot of work remain before engineer/draft man.  
This may cause to delay our schedule.

# Conclusion

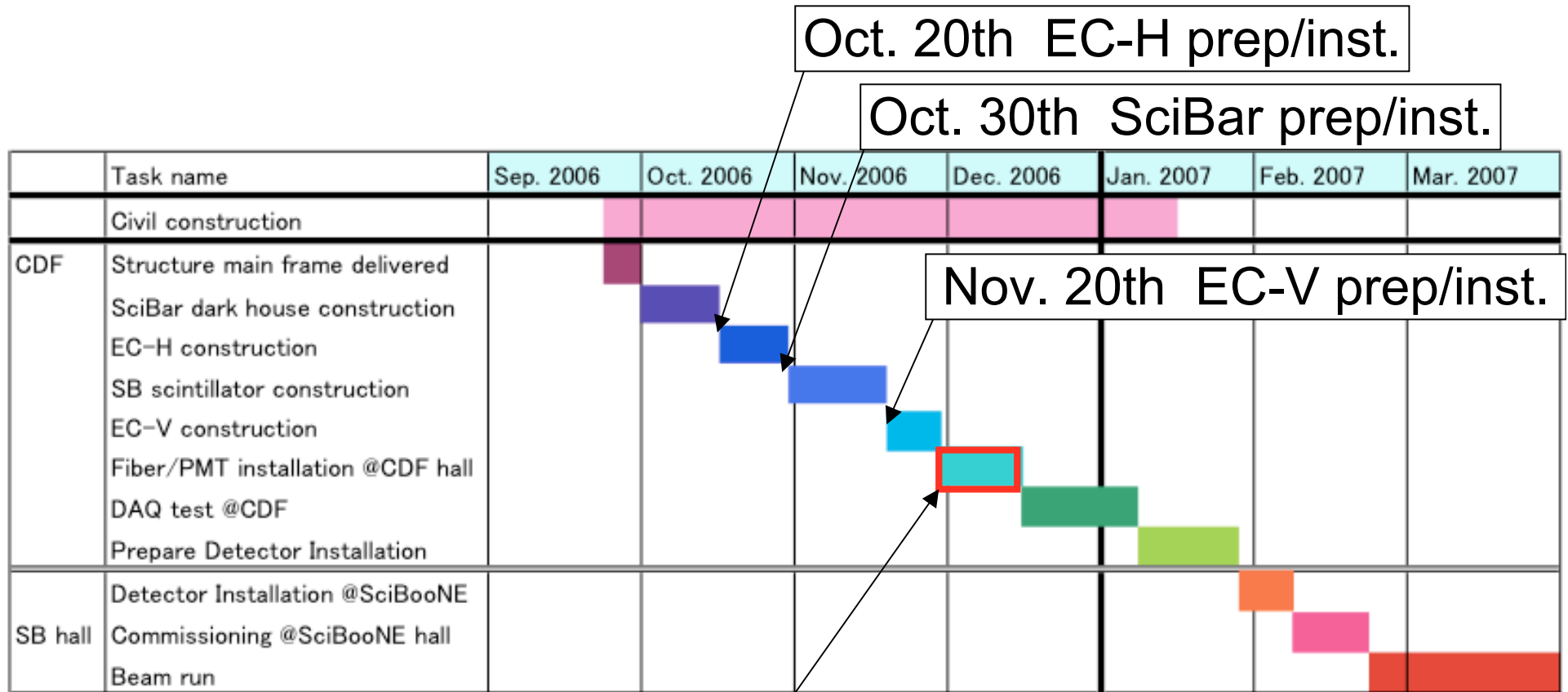
- Drafting processes for SciBar/EC support structure are in progress.
  - Half of drafting will be completed in this week.
- Right now, there is no delay (on schedule).
- BUT still a lot of work of drafting remain.

# SciBar construction schedule

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# Schedule



- Right now, there is no delay.

# Personnel needs

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# Personnel needs

- Fiber labeling [Sep., Oct. / 3 weeks]
  - 2 persons with half day shift: 3 weeks
  - **Look for 2 volunteers from collaboration**
- Fiber/PMT installation [Dec. / 2 weeks]
  - Additional 3 persons are required at least
  - Kyoto group will send 3 students
  - ➔ Satisfy requirements
  - BUT still tight manpower
  - ➔ **Any helps from collaboration are very welcome.**

# Personnel needs for engineering

- **Support for EC-Vertical:**
  - Drafting: in the process
  - But still need time and/or draft men
- **SciBar PMT mounting bracket:**
  - Drafting: Just started.

Still a lot of work remain before engineer/draft man.  
This may cause to delay our schedule.

→ We may need to pay for overtime work of draft men to accelerate the processes.

# Summary

- Fiber labeling [Sep., Oct. / 3 weeks]
  - 2 students (or physicists) help are needed.
- Fiber/PMT installation [Dec. / 2 weeks]
  - Any volunteers are very welcome.
- Overtime work for drafting
  - Need to be discussed with engineer.